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SITE SUMMARY AND RECOMMENDATION

The Vidan Auto Salvage site is located at 327-331 Bond Street, Brooklyn, Kings County, New York. The geographic coordinates of the site are 40°40'47" latitude and 73°59'20" longitude. The site setting is predominantly industrial along the Gowanus Canal.

The site is approximately 1.72 acres in size and is a privately owned former automobile salvage yard. Due to activities involving stolen vehicles, the U.S. Department of Justice (DOJ) seized the property and auctioned the contents. The property was then returned to the owner under the stipulation that the property was not to be used as a junkyard. The current use of the site is divided among three businesses; Grecco's Towing, John Creech Design & Production, and Two Dan's Enterprises, Limited (Two Dan's). The area (approximately 18,000 square ft (ft²)) of the site utilized by Grecco's Towing is used for the storage of towed cars. This portion of the site is covered with a concrete pad (approximately 3,000 ft²), recycled crushed concrete (approximately 2,000 ft²) and grass and soil (approximately 13,000 ft²). The John Creech Design & Production business occupies only the office building (approximately 4,500 ft²) found at 327 Bond Street. The area outside and around the office building is used for wrecked car storage by Two Dan's. Two Dan's is comprised of a wrecked car storage business component and an auto body shop. The remains of a demolished building (approximately 900 ft²) are located next to the auto body shop (approximately 900 ft²).

As a result of the past disassembling of vehicles on site, and the subsequent release of automobile fluids, site soil was suspected to be contaminated. Sampling performed by the U.S. EPA Environmental Services Division in July 1991 confirmed the release of hazardous substances on site. Surface runoff collected from a drain on site revealed the presence of petroleum hydrocarbons at a concentration of 37.4 ppm. A composite soil sample taken from the area reportedly used for disassembling vehicles, revealed elevated levels of volatile organic compounds (toluene and xylene), polyaromatic hydrocarbons, and several heavy metals (cadmium, copper, nickel, lead, and zinc).

Although soil contamination is documented, groundwater in this area is not used as drinking water and the site is fenced; therefore, potential human exposure is minimal.

The Region II Superfund Technical Assessment and Response Team (START) conducted an on-site reconnaissance at the Vidan Auto Salvage site on 13 October 1998. During the site reconnaissance, a number of cars were observed on site. At the section of the site used for Grecco's Towing and Storage, cars were observed to be parked in an orderly fashion. The ground surface is covered with crushed concrete and a cement pad is located near the front of the property bordering Bond Street. There is no evidence of stained soil. There are wrecked cars located in the section of the site utilized by Two Dans Enterprises. There is a section of stained soil along President Street where President Street intersects the site. The staining appears to be petroleum and crank oils that have drained from the wrecked cars. Strong gasoline odors were noted in this area; however, there were no observed readings on the organic vapor analyzer (OVA) during the



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SITE SUMMARY AND RECOMMENDATION (CONT'D)

site reconnaissance. A high OVA reading was recorded south of the area of stained soil between a row of parked wrecked cars on the Two Dans section of the site.

The site is located near residential property. The closest residence is approximately 25 feet west and upslope of the site, across Bond Street. There are approximately 2,463 residents within 0.25 mile of the site. There are approximately 1,651,245 residents and 25 acres of wetlands within 4 miles of the site. The Samuel Mills Sprole Elementary School is located on President Street approximately 0.1 mile west of the site. There are no day care centers within 200 feet of the site.

A PREScore evaluation (PREScore 4.1) of the Vidan Auto Salvage Site resulted in an overall HRS score of 1.77. The analysis included the assumption that potentially contaminated soil is present at depths less than 2 feet over the entire site area of approximately 75,178 square feet, although there is no evidence to support that assumption. It should be noted that a sensitivity analysis with a projected release to the Gowanus Canal did not raise the overall score above the 28.5 cutoff required for a further action recommendation. Based on this evaluation, a recommendation of **NO FURTHER REMDIAL ACTION PLANNED (NFRAP)** is given for the Vidan Auto Salvage site.

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PREScore 4.1
HRS DOCUMENTATION RECORD
Vidan Auto Salvage - 10/27/98

1. Site Name: Vidan Auto Salvage
(as entered in CERCLIS)
2. Site CERCLIS Number: NYD986961167
3. Site Reviewer: Sharron DaCosta
4. Date: 10/7/98
5. Site Location: Brooklyn, Kings County, New York
(City/County,State)
6. Congressional District: 10
7. Site Coordinates: Multiple

Latitude: 40°40'33.0"

Longitude: 073°59'22.0"

	Score
Ground Water Migration Pathway Score (Sgw)	0.42
Surface Water Migration Pathway Score (Ssw)	0.00
Soil Exposure Pathway Score (Ss)	0.60
Air Migration Pathway Score (Sa)	3.46

Site Score	1.77
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NOTE

Site names, and references to specific parcels or properties, are provided for general identification purposes only. Knowledge regarding the extent of sites will be refined as more information is developed during the RI/FS and even during implementation of the remedy.

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PREScore 4.1
WASTE QUANTITY
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1. WASTESTREAM QUANTITY SUMMARY TABLE, SOURCE: Contaminated Soil

a. Wastestream ID	
b. Hazardous Constituent Quantity (C) (lbs.)	0.00
c. Data Complete?	NO
d. Hazardous Wastestream Quantity (W) (lbs.)	0.00
e. Data Complete?	NO
f. Wastestream Quantity Value (W/5,000)	0.00E+00

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PREScore 4.1
WASTE QUANTITY
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2. SOURCE HAZARDOUS WASTE QUANTITY FACTOR TABLE

a. Source ID		Contaminated Soil	
b. Source Type		Contaminated Soil	
c. Secondary Source Type		N.A.	
d. Source Vol. (yd3/gal)	Source Area (ft2)	0.00	75178.00
e. Source Volume/Area Value		2.21E+00	
f. Source Hazardous Constituent Quantity (HCQ) Value (sum of 1b)		0.00E+00	
g. Data Complete?		NO	
h. Source Hazardous Wastestream Quantity (WSQ) Value (sum of 1f)		0.00E+00	
i. Data Complete?		NO	
k. Source Hazardous Waste Quantity (HWQ) Value (2e, 2f, or 2h)		2.21E+00	

Source Hazardous Substances	Depth (feet)	Liquid	Concent.	Units
Cadmium	< 2	NO	0.0E+00	ppm
Copper	< 2	NO	0.0E+00	ppm
Lead	< 2	NO	0.0E+00	ppm
Nickel	< 2	NO	0.0E+00	ppm
Zinc	< 2	NO	0.0E+00	ppm

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PREScore 4.1
WASTE QUANTITY
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3. SITE HAZARDOUS WASTE QUANTITY SUMMARY

No. Source ID	Migration Pathways	Vol. or Area Value (2e)	Constituent or Wastestream Value (2f,2h)	Hazardous Waste Qty. Value (2k)
1 Contaminated Soil	GW-SW-SE-A	2.21E+00	0.00E+00	2.21E+00

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WASTE QUANTITY
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4. PATHWAY HAZARDOUS WASTE QUANTITY AND WASTE CHARACTERISTICS SUMMARY TABLE

Migration Pathway	Contaminant Values	HWQVs*	WCVs**
Ground Water	Toxicity/Mobility 2.00E+01	10	3
SW: Overland Flow, DW	Tox./Persistence 1.00E+04	10	18
SW: Overland Flow, HFC	Tox./Persis./Bioacc. 5.00E+07	10	100
SW: Overland Flow, Env	Etox./Persis./Bioacc. 5.00E+06	10	56
SW: GW to SW, DW	Tox./Persistence 2.00E+01	10	3
SW: GW to SW, HFC	Tox./Persis./Bioacc. 1.00E+05	10	32
SW: GW to SW, Env	Etox./Persis./Bioacc. 5.00E+04	10	18
Soil Exposure: Resident	Toxicity 1.00E+04	10	18
Soil Exposure: Nearby	Toxicity 1.00E+04	10	18
Air	Toxicity/Mobility 2.00E+00	10	2

* Hazardous Waste Quantity Factor Values

** Waste Characteristics Factor Category Values

Note: SW = Surface Water
 GW = Ground Water
 DW = Drinking Water Threat
 HFC = Human Food Chain Threat
 Env = Environmental Threat

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PREScore 4.1
WASTE QUANTITY
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GROUND WATER MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release to an Aquifer Aquifer: Upper Glacial Aquife		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	10
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	500
3. Likelihood of Release	550	500
Waste Characteristics		
4. Toxicity/Mobility	*	2.00E+01
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	3
Targets		
7. Nearest Well	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	2.30E+01
8d. Population (lines 8a+8b+8c)	**	2.30E+01
9. Resources	5	0.00E+00
10. Wellhead Protection Area	20	0.00E+00
11. Targets (lines 7+8d+9+10)	**	2.30E+01
12. Targets (including overlaying aquifers)	**	2.30E+01
13. Aquifer Score	100	0.42
GROUND WATER MIGRATION PATHWAY SCORE (Sgw)	100	0.42

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

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PREScore 4.1 SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET Vidan Auto Salvage - 10/27/98

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release by Overland Flow		
2a. Containment	10	10
2b. Runoff	25	0
2c. Distance to Surface Water	25	25
2d. Potential to Release by Overland Flow [lines 2a(2b+2c)]	500	250
3. Potential to Release by Flood		
3a. Containment (Flood)	10	10
3b. Flood Frequency	50	7
3c. Potential to Release by Flood (lines 3a x 3b)	500	70
4. Potential to Release (lines 2d+3c)	500	320
5. Likelihood of Release	550	320
Waste Characteristics		
6. Toxicity/Persistence	*	1.00E+04
7. Hazardous Waste Quantity	*	10
8. Waste Characteristics	100	18
Targets		
9. Nearest Intake	50	0.00E+00
10. Population		
10a. Level I Concentrations	**	0.00E+00
10b. Level II Concentrations	**	0.00E+00
10c. Potential Contamination	**	0.00E+00
10d. Population (lines 10a+10b+10c)	**	0.00E+00
11. Resources	5	0.00E+00
12. Targets (lines 9+10d+11)	**	0.00E+00
13. DRINKING WATER THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

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PREScore 4.1
SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
Vidan Auto Salvage - 10/27/98

SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
14. Likelihood of Release (same as line 5)	550	320
Waste Characteristics		
15. Toxicity/Persistence/Bioaccumulation	*	5.00E+07
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	1000	100
Targets		
18. Food Chain Individual	50	0.00E+00
19. Population		
19a. Level I Concentrations	**	0.00E+00
19b. Level II Concentrations	**	0.00E+00
19c. Pot. Human Food Chain Contamination	**	3.60E-06
19d. Population (lines 19a+19b+19c)	**	3.60E-06
20. Targets (lines 18+19d)	**	3.60E-06
21. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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PREScore 4.1
SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET
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SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
22. Likelihood of Release (same as line 5)	550	320
Waste Characteristics		
23. Ecosystem Toxicity/Persistence/Bioacc.	*	5.00E+06
24. Hazardous Waste Quantity	*	10
25. Waste Characteristics	1000	56
Targets		
26. Sensitive Environments		
26a. Level I Concentrations	**	0.00E+00
26b. Level II Concentrations	**	0.00E+00
26c. Potential Contamination	**	5.00E-03
26d. Sensitive Environments (lines 26a+26b+26c)	**	5.00E-03
27. Targets (line 26d)	**	5.00E-03
28. ENVIRONMENTAL THREAT SCORE	60	0.00
29. WATERSHED SCORE	100	0.00
30. SW: OVERLAND/FLOOD COMPONENT SCORE (Sof)	100	0.00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

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PREScore 4.1
GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
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GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors DRINKING WATER THREAT	Maximum Value	Value Assigned
Likelihood of Release to Aquifer Aquifer: Upper Glacial Aquife		
1. Observed Release	550	0
2. Potential to Release		
2a. Containment	10	10
2b. Net Precipitation	10	10
2c. Depth to Aquifer	5	5
2d. Travel Time	35	35
2e. Potential to Release [lines 2a(2b+2c+2d)]	500	500
3. Likelihood of Release	550	500
Waste Characteristics		
4. Toxicity/Mobility/Persistence	*	2.00E+01
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	3
Targets		
7. Nearest Intake	50	0.00E+00
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	0.00E+00
8d. Population (lines 8a+8b+8c)	**	0.00E+00
9. Resources	5	0.00E+00
10. Targets (lines 7+8d+9)	**	0.00E+00
11. DRINKING WATER THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

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PREScore 4.1
GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
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GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors HUMAN FOOD CHAIN THREAT	Maximum Value	Value Assigned
Likelihood of Release		
12. Likelihood of Release (same as line 3)	550	500
Waste Characteristics		
13. Toxicity/Mobility/Persistence/Bioacc.	*	1.00E+05
14. Hazardous Waste Quantity	*	10
15. Waste Characteristics	1000	32
Targets		
16. Food Chain Individual	50	0.00E+00
17. Population		
17a. Level I Concentrations	**	0.00E+00
17b. Level II Concentrations	**	0.00E+00
17c. Pot. Human Food Chain Contamination	**	0.00E+00
17d. Population (lines 17a+17b+17c)	**	0.00E+00
18. Targets (lines 16+17d)	**	0.00E+00
19. HUMAN FOOD CHAIN THREAT SCORE	100	0.00

* Maximum value applies to waste characteristics category.
** Maximum value not applicable.

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PREScore 4.1
GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET
Vidan Auto Salvage - 10/27/98

GROUND WATER TO SURFACE WATER MIGRATION COMPONENT Factor Categories & Factors ENVIRONMENTAL THREAT	Maximum Value	Value Assigned
Likelihood of Release		
20. Likelihood of Release (same as line 3)	550	500
Waste Characteristics		
21. Ecosystem Tox./Mobility/Persist./Bioacc.	*	5.00E+04
22. Hazardous Waste Quantity	*	10
23. Waste Characteristics	1000	18
Targets		
24. Sensitive Environments		
24a. Level I Concentrations	**	0.00E+00
24b. Level II Concentrations	**	0.00E+00
24c. Potential Contamination	**	0.00E+00
24d. Sensitive Environments (lines 24a+24b+24c)	**	0.00E+00
25. Targets (line 24d)	**	0.00E+00
26. ENVIRONMENTAL THREAT SCORE	60	0.00
27. WATERSHED SCORE	100	0.00
28. SW: GW to SW COMPONENT SCORE (Sgs)	100	0.00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

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PREScore 4.1
SOIL EXPOSURE PATHWAY SCORESHEET
Vidan Auto Salvage - 10/27/98

SOIL EXPOSURE PATHWAY Factor Categories & Factors RESIDENT POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
1. Likelihood of Exposure	550	550
Waste Characteristics		
2. Toxicity	*	1.00E+04
3. Hazardous Waste Quantity	*	10
4. Waste Characteristics	100	18
Targets		
5. Resident Individual	50	0.00E+00
6. Resident Population		
6a. Level I Concentrations	**	0.00E+00
6b. Level II Concentrations	**	0.00E+00
6c. Resident Population (lines 6a+6b)	**	0.00E+00
7. Workers	15	5.00E+00
8. Resources	5	0.00E+00
9. Terrestrial Sensitive Environments	***	0.00E+00
10. Targets (lines 5+6c+7+8+9)	**	5.00E+00
11. RESIDENT POPULATION THREAT SCORE	**	4.95E+04

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

*** No specific maximum value applies, see HRS for details.

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PREScore 4.1
SOIL EXPOSURE PATHWAY SCORESHEET
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SOIL EXPOSURE PATHWAY Factor Categories & Factors NEARBY POPULATION THREAT	Maximum Value	Value Assigned
Likelihood of Exposure		
12. Attractiveness/Accessibility	100	5.00E+00
13. Area of Contamination	100	0.00E+00
14. Likelihood of Exposure	500	0.00E+00
Waste Characteristics		
15. Toxicity	*	1.00E+04
16. Hazardous Waste Quantity	*	10
17. Waste Characteristics	100	18
Targets		
18. Nearby Individual	1	1.00E+00
19. Population Within 1 Mile	**	5.70E+01
20. Targets (lines 18+19)	**	5.80E+01
21. NEARBY POPULATION THREAT SCORE	**	0.00E+00
SOIL EXPOSURE PATHWAY SCORE (Ss)	100	0.60

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

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PREScore 4.1
AIR PATHWAY SCORESHEET
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AIR MIGRATION PATHWAY Factor Categories & Factors	Maximum Value	Value Assigned
Likelihood of Release		
1. Observed Release	550	0
2. Potential to Release		
2a. Gas Potential to Release	500	0
2b. Particulate Potential to Release	500	280
2c. Potential to Release	500	280
3. Likelihood of Release	550	280
Waste Characteristics		
4. Toxicity/Mobility	*	2.00E+00
5. Hazardous Waste Quantity	*	10
6. Waste Characteristics	100	2
Targets		
7. Nearest Individual	50	2.00E+01
8. Population		
8a. Level I Concentrations	**	0.00E+00
8b. Level II Concentrations	**	0.00E+00
8c. Potential Contamination	**	4.89E+02
8d. Population (lines 8a+8b+8c)	**	4.89E+02
9. Resources	5	0.00E+00
10. Sensitive Environments		
10a. Actual Contamination	***	0.00E+00
10b. Potential Contamination	***	0.00E+00
10c. Sens. Environments(lines 10a+10b)	***	0.00E+00
11. Targets (lines 7+8d+9+10c)	**	5.09E+02
AIR MIGRATION PATHWAY SCORE (Sa)	100	3.46E+00

* Maximum value applies to waste characteristics category.

** Maximum value not applicable.

*** No specific maximum value applies, see HRS for details.